

About the Course

Syllabus is fully

focused on
"Quantitative

Aptitude". Young aspirants for competitive exams and campus placement are all welcome to register in this course.



Hurry Up

FATIMA COLLEGE (Autonomous)
[Re-Accredited with 'A++' Grade by NAAC (Cycle-IV)]
Mary Land, Madurai - 625018



DEPARTMENT OF MATHEMATICS - SF

VALUE ADDED COURSE

**COMPUTATIONAL
MATHEMATICS**

**CRASH COURSE
2021 - 2022**



NO.OF HOURS : 30
WEDNESDAY & FRIDAY

**CRASH COURSE
2021 - 2022**

Rs.750 only



+918220459660

FATIMA COLLEGE (AUTONOMOUS), MADURAI - 18

DEPARTMENT OF MATHEMATICS (SF)

CRASH COURSE ON COMPUTATIONAL MATHEMATICS

CODE: 19UGVAG1

COURSE DESCRIPTION

This course is designed to help the students to appear in competitive examinations.

COURSE OBJECTIVES:

At the end of the course, the students will be able to,

CO1: Solve problems on numbers, ages and trains

CO2: Illustrate profit and loss with examples

CO3: Explain partnership and related problems

CO4: Discuss problems on time and work

CO5: Solve problems on time and distances

COURSE OUTCOME:

- * Demonstrate the use of mathematical reasoning by justifying through numerical skills.

- * Examine various techniques in solving the problems

UNIT I: PROBLEMS ON NUMBERS, AGES AND TRAINS [6 Hours]

Divisibility rules- LCM& HCF-unit digit-Arithmetic & Geometric Progression-Problems on ages-Problems on two trains moving on same direction-Problems on two trains moving on opposite direction.

UNIT II: PIPES AND CISTERNS [6 Hours]

Problems on pipes & cisterns - shortcuts.

UNIT III: PROFIT AND LOSS [6 Hours]

Profit and Loss: Cost Price – Selling Price – Profit or Gain – Loss – Gain percentage - Loss percentage.

UNIT IV: PARTNERSHIP [6 Hours]

Partnership – Ratio of Division of Gains – Working and Sleeping Partners.

UNIT V: TIME & WORK AND TIME & DISTANCE [6 Hours]

Time and Work: Important facts and formulae on time and work -Problems.

Time and Distance: Important facts and formulae on speed, time and distance – Problems.

Text Book:

R. S. Aggarwal , Quantitative Aptitude for Competitive Examinations, S. Chand & Company

Ltd, Revised Edition 2008.

Sl. No.	Qandana name	Qandana name	Qandana name	Qandana name	1	2	3	4	5	6	7	8	9	10
1.	2020	NBCI	Akshaya G.		/	/	/	/	/	/	/	/	/	/
2.		02	Ananthika		/	/	/	/	/	a	a	/	/	/
3.		03	Azbagurani		/	/	/	/	/	a	a	/	/	/
4.		04	Bavitha Sree		/	/	/	a	a	/	/	/	/	/
5.		05	Bhuvaneshwari		/	/	/	/	/	/	/	/	/	/
6.		06	Birundha		/	/	/	/	/	/	/	/	/	/
7.		07	Devadharshini		/	/	/	/	/	/	/	/	/	/
8.		08	Devibala		a	a	/	/	/	a	a	a	a	/
9.		09	Dharshini		/	/	/	/	/	/	/	/	/	/
10.		10	Dhivya		/	/	/	/	/	a	a	/	/	a
11.		11	Durga Parvathi		/	/	/	/	/	/	/	/	/	/
12.		12	Hema		a	a	/	/	/	/	/	/	/	/
13.		13	Jeyapournima		/	/	/	/	/	/	/	/	/	a
14.		14	Josika		a	a	/	/	/	a	a	/	/	a
15.		15	Karshi Taisika		/	/	/	/	/	/	/	/	/	/
16.		16	Karthika		/	/	/	/	/	/	/	/	/	/
17.		17	Karunyaa		/	/	/	/	/	/	/	/	/	/
18.		18	Kavipriya		/	/	/	/	/	a	a	/	/	/
19.		19	Keertnaga Rani		/	/	/	/	/	/	/	/	/	/
20.		20	Kirija		/	/	/	/	/	/	/	/	/	/
21.		21	Koothakkal (Sowmiya)		/	/	/	/	/	/	/	a	a	/
22.		22	Maheswari		/	/	/	/	/	a	a	/	/	/
23.		23	Maragatha laxmi		/	/	/	a	a	a	a	/	/	/
24.		24	Mathana		a	a	/	/	/	/	/	/	/	/
25.		25	Megala devi		/	/	/	/	/	/	/	/	/	/
26.		26	Nizofar Nisha		/	/	/	/	/	/	/	/	/	/
27.		27	Pournima		/	/	/	/	/	/	/	/	/	/
28.		28	Prithiga		/	/	a	/	/	a	a	a	a	/
29.		29	Sajitha		/	/	/	/	/	/	/	/	/	/
30.		30	Sakthi		/	/	a	/	/	a	a	/	/	/
31.		31	Sandhiya		/	/	/	a	a	a	a	a	a	/
32.		32	Sathya		/	/	/	/	/	/	/	/	/	/
33.		33	Sathya Sheela		a	a	/	/	/	a	a	/	/	/
34.		34	Shobana		/	/	/	/	/	/	/	/	/	/
35.		35	Swathi		/	/	/	/	/	/	/	/	/	/
36.		36	Swetha M		/	/	/	/	/	/	/	a	a	/

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வருகைப் பதிவேடு

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மாணவர்

வருடம்: 2021 - 2022

Figure 1

மாதத்துவக்கத்தில் இருந்தவர்கள் _____ மாதத்தில் புதிதாக கோந்தவர்கள் _____ மாதத்தில் விலகியவர்கள் _____ மாதத்தின் முடிவில் உள்ளவர்கள் _____ மாதத்தின் சராசரி பதிவு _____
மாதத்தில் சராசரி வருகை _____ மாதத்தில் வராதவர் சதவீதம் _____ பள்ளி வேலை நாட்கள் _____ பள்ளி விடுமுறை நாட்கள் _____ வகுப்பாசிரியர் _____





FATIMA COLLEGE (AUTONOMOUS)

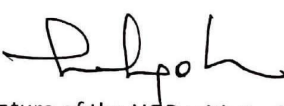
Re-Accredited with 'A++' by NAAC (Cycle – IV)
Mary Land, Madurai

DEPARTMENT OF MATHEMATICS

Value added Courses - Course Teacher Name list

S. No.	Course Title with Course Code	Course Teacher	No. of Hours Taken
1	Computational Mathematics / 19UGVAG1	R. Jenovi Rosary Deepa	30
2.	Computational Mathematics / 19UGVAG1	P. Dhanapriya	30

1. 
2. 
Course Teacher Signature


Signature of the HOD with Seal

Dr. E. HELENA
Head, Department of Mathematics (SF),
Fatima College (Autonomous)
Madurai - 18.

DEPARTMENT OF MATHEMATICS (SF)



FATIMA COLLEGE (Autonomous)

Re-Accredited with "A++" Grade by NAAC (Cycle-IV)

Mary Land, Madurai - 625018.

This is to certify that Ms. Aishvarya Shri . M - II B.Sc Maths
has successfully completed the Value Added Crash Course On

COMPUTATIONAL MATHEMATICS

during the academic year 2021 - 2022 and has been
awarded Distinction / First / Second class.

Dr. Sr. G. Celine Sahaya Mary
Dr. Sr. G. Celine Sahaya Mary
Principal

[Signature]
Head of the Department

[Signature]
Co-ordinator